(1) பக்கங்களின் எண்ணிக்கை ______________________

(2) புதுக்கித் திருப்பிய நாள் ______________________

(3) ஆதாரங் குறிப்பவர் சுருக்கொப்பம் ______________________

தமிழ்நாடு ஆவணக் காப்பகம்

தமிழ்நாடு அரசு

______________________ துறை

அரசாணை எண்.	அச்சகம்
மு. கோப்புத் தாள் எண்.	பலவகை
நாள்:	20 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது.

ஆவண. கா. 1–182–2–20,000 Cps.–15–11–2019 [HCL-11]

Public Works (1897) Department.

1411

G.O., No. 898-9

DATED 9 October 1897

90/4 copies
30 copies
3 1/2 copies with docket at the back

[Despatch Abstract.]

XII Branch Channel, Periyar Project. Estimates amounting to Rs. 33,300 for excavating the 6th distributary of the — and its five subsidiary channels approved and a copy of the Pros: ordered to be forwarded to the Govt of India with request that sanction to the estimate may be communicated at an early date.

XII Branch Channel, Periyar Project. Forwarding copy of Pros: requesting sanction to estimates amounting to Rs. 33,300 for excavating the 6th distributary of the — and its five subsidiary Channels.

P.W. 28.
1,500 [illegible]

Indexed.

9.10.97

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government (1897) of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. *Spare copies*

G.O., Nos. 898, 899 I., 9th October 1897.

OCTOBER.

XII. Branch Channel, Periyar Project

Forwarding copy of Proceedings requesting sanction to estimates, amounting to Rs. 33,300, for excavating the 6th Distributary of the — and its five subsidiary channels.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From Lieutenant-Colonel O. V. BODDY, R.E., Superintending Engineer, VI Circle, to the Chief Engineer for Irrigation, dated Trichinopoly, 24th July 1897, No. 1051 M.D.

I have the honour to forward, for your approval and sanction, the marginally-noted estimates for excavating the 6th Distributary of the XII. Branch channel with subsidiary off-takes 6-A, 6-B, 6-C, 6-D and 6-E. The total irrigation under these channels is 4,750 acres, of which 1,000 acres are under the 6th Distributary itself, 1,050 under 6-A, 300 under 6-B, 1,500 under 6-C, 600 under 6-D, and 300 under 6-E, and the estimated cost in all amounts to Rs. 27,400.

	RS.
(1) VI. Main distributary of XII. Branch channel. Estimate ...	11,800
(2) VI-A. Distributary channel. Estimate	7,300
(3) VI-B. Distributary channel. Estimate	910
(4) VI-C. Distributary channel. Estimate	4,480
(5) VI-D. and E. Distributary channel. Estimate	2,910

2. Provision is made in all the estimates for the necessary masonry works and the usual tabular statement in which the mileage of masonry works and hydraulic details are given also accompanies each estimate.

3. The estimate may be classed as remunerative and the probable date of completion of the work is April 1899.

It is not possible at present to state the return that may be expected from the proposed outlay. Roughly allowing an average return of Rs. 5 per acre, *i.e.*, Rs. 8 for new and Rs. 2 for old irrigation, and taking these descriptions of lands to be about equally divided, the return per annum will be Rs. 23,750, but how much of this return is due to the proposed expenditure and how much to the head works—main canal, &c.—it is not possible to say.

Enclosures.

No. 38 E.

Report to accompany estimate for sub-distributaries VI-A and VI-B of 6th Distributary of XII. Branch channel, Periyár project.

	RS.
Amount of estimate	8,210

(of which VI-A = Rs. 7,300, and VI-B = Rs. 910).

Distributary 6-A takes off at 1 mile 2,020 feet of 6th distributary and 6-B at 0 mile 2,500 feet of 6-A.

The latter is a small channel, irrigating 300 acres, and will not be maintained.

The former will irrigate in all 1,050 acres and supply two maintained tanks—Kalman Kommoyi and Perungarai Endal, the surplus from which will also help to feed Siruman Kommoyi.

The high cost per acre is due to the heavy fall and the narrow strip of land served.

The cost cannot be reduced except by increasing the bedfall which is 1 in 1,000, and the soil will not, it is thought, permit of this.

The work will be carried out in accordance to the standard specification current in the department.

No. 39 E.

Report to accompany estimate for excavating distributary channel VI-C from the right flank of Kottagudi tank.

	RS.
Amount of estimate	4,480

This sub-distributary takes off from the right flank of Kottagudi tank and irrigates 1,500 acres, including the ayacuts of several tanks (*vide* margin), some of which also get an uncertain supply from the Uppar river.

Tank.	*Village.*
1. Kalani kuttai.	1. Arasappanpatti.
2. Melani kulam.	2. Nalukulam.
3. Keelani do.	3. Do.
4. Panangadi.	4. Panangadi.

The work will be carried out in accordance with the standard specification current in the department.

No. 40 E.

Report to accompany estimate for excavating distributaries VI-D and E from the left flank of Appochi tank.

	RS.
Amount of estimate	2,910

These channels take off from the left flank of Appochi tank which will be connected with Kottagudi tank by a cut through a small ridge.

The sill levels of this sluice and that of the head-sluice of VI-C. distributary will be one and the same.

VI-E is a small contour channel irrigating 300 acres and will not be maintained.

VI-D will irrigate 600 acres and be maintained, but all the tanks under it will be abandoned as their supply sources are extremely poor, all upland drainage being collected in larger tanks above, and the local drainages will be caught in Panangadi tank.

The work will be carried out in accordance with the specification and the best practice of the department.

No. 37 E.

Report to accompany estimate for excavating the 6th Distributary of eth XII. Branch channel, Periyár project.

	RS.
Amount of estimate	11,800

This distributary, with its five branches, starts from the 4th mile of the XII. Branch channel and runs south, crossing the Mélur-Madura and Mélur-Tirupuvanam roads and ends above Kottagudi Periyár tank.

It is designed to irrigate in all 4,750 acres, of which 1,000 acres is direct and the balance through minor distributaries.

At 1 mile 2,020 feet a branch VI-A takes off, of which VI-B is a sub-distributary.

The other distributaries C, D, E take off from the right flank of Kottagudi tank and left flank of Appochi tank the two tanks being joined by a cut through the dividing ridge. The only tank to be maintained supplied direct is Kottagudi tank.

A rather heavy fall is allowed in this channel from 2 miles 1,440 feet to the end, but the soil is very hard and will, it is thought, stand especially as the channel is in-cutting throughout.

The works will be carried out in accordance with the specification and best practice of the department.

(Signed) T. W. S. SMYTH,
Executive Engineer, Special Periyár Works.

5th June 1897.

Estimate Form—Abstract—Classified.

Sub-head.	Names of works.	Amount of estimate for individual work.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.
1	2	3	4	5	6
	CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.	RS.	RS.	RS.	RS.
	49. IRRIGATION.				
	Periyár Project.				
	Open Capital Account.				
	3. Distributaries.				
	XII. Branch Channel.				
	Excavating 6th Distributary channel and constructing masonry works.				
	Remunerative Work.				
	6th Main distributary.				
2. Land ..	Compensation for land	532	532		
3. Works ..	1 Head-sluice	510			
	1 Bridge at 1/70	600			
	1 Do. at 1/1570	720			
	1 Drop No. 1 at 1/1820	660			
	3 Drops Nos. 2, 3 and 4 at 1/2320, 1/4320 and 1/4820, Rs. 600 each	1,800			
	1 Bridge at 2/1440	620			
	1 Drop No. 5 at 3/60	240			
	17 Six-inch pipe-sluices, Rs. 50 each	850			
	1 Nine-inch pipe-sluice	75			
	1 Twelve-inch do.	80	6,155		
4. Earthwork.	Cutting distributary	5,067	5,067		
5. Miscellaneous.	Demarcation stones	46	46		
	Total for 6th Main distributary ..	..	..	11,800	..
	6th A. Distributary.				
2. Land ..	Compensation for land	489	489		
3. Works ..	1 Head-sluice	200			
	1 Culvert for Nanpudiki tank	200			
	1 Bridge at 0/240 feet	580			
	5 Six-feet drops, Rs. 400 each	2,000			
	1 Three-feet drop	210			
	2 Four and a half feet falls, Rs. 320 each	640			
	1 Three-feet fall with bridge	400			
	1 Masonry sluice for tank	100			
	10 Six-inch pipe-sluice, Rs. 30 each	300	4,630		
4. Earthwork.	Cutting distributary	2,145	2,145		
5. Miscellaneous.	Demarcation stones	36	36		
	Total for 6th A. Distributary ..	..	..	7,300	..
	6th B. Distributary.				
2. Lands ..	Compensation for land	134	134		
3. Works ..	Head-sluice	100	100		
4. Earthwork.	Cutting distributary	668	668		
5. Miscellaneous.	Demarcation stones	8	8		
	Total for 6th B. Distributary ..	..	..	910	..
	6th C. Distributary.				
2. Lands ..	Compensation for land	409	409		
3. Works ..	1 Head-sluice	740			
	1 Eight-feet drop at 0/2500	480			
	2 Three-feet drops, Rs. 210 each	420			
	2 Masonry sluices, Rs. 100 each	200			
	4 Nine-inch pipe-sluices, Rs. 55 each	220			
	2 Six-inch do. „ 30 „	60	2,120		

Estimate Form—Abstract—Classified—cont.

Sub-head.	Names of works.	Amount of estimate for individual work.	Total of sub-heads.	Total for each canal or distributary.	Total of each main head.
1	2	3	4	5	6
	6th C. Distributary—*cont.*	RS.	RS.	RS.	RS.
4. Earthwork.	Cutting distributary	1,925	1,925		
5. Miscellaneous.	Demarcation stones	26	26		
	Total for 6th C. Distributary ..	..	..	4,480	..
	6th D. Distributary.				
2. Lands ..	Compensation for land	136	136		
3. Works ..	1 Masonry tail drop .. .. 7 Six-inch pipe-sluices, Rs. 30 each	50 210	260		
4. Earthwork.	Cutting distributary	1,024	1,024		
5. Miscellaneous.	Demarcation stones	11	11		
	Total for 6th D. Distributary ..	..	..	1,431	..
	6th E. Distributary.				
2. Lands ..	Compensation for land	120	120		
3. Works ..	Masonry head-sluice, D and E	630	630		
4. Earthworks.	Cutting distributary .. .. Connect Kottagudi and Appochi tanks	520 200	720		
5. Miscellaneous.	Demarcation stones	9	9		
	Total for 6th E. Distributary ..	..	..	1,479	..
	Total, I. Works	..	..	..	27,400
	II. Establishment ..	..	..	..	5,883
	III. Tools and Plant ..	..	..	..	17
	Total Estimate ..	..	..	..	33,300

No. 184 I.

Note by the Chief Engineer for Irrigation.

The accompanying estimates, amounting to Rs. 27,400, for excavating the 6th Distributary of the XII Branch channel, Periyár project, and its five subsidiary channels, are approved and recommended for sanction.

2. The distributary and its subsidiary channels, 6-A, 6-B, 6-C, 6-D and 6-E are 3 miles 4,410 feet, 2 miles 4,940 feet, 1 mile 720 feet, 2 miles 672 feet, 4,260 feet and 3,800 feet, respectively, in length, and will irrigate 4,750 acres of land, 1,000 acres of which will be under the distributary itself. The distributary and the channels 6-A, 6-C and 6-D will be maintained by Government.

3. The work is classed as "remunerative," and the probable date of its completion is 31st March 1899. The expected return per annum is estimated by the Superintending Engineer at Rs. 23,750.

16th August 1897.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

Order—No. 898 I., dated 9th October 1897.

The estimates, amounting to Rs. 33,300,* for excavating the 6th Distributary of the XII. Branch channel, Periyár project, and its five subsidiary channels, are approved.

		RS.
* Works	... ...	27,400
Establishment	... ...	5,883
Tools and plant	... ...	17
	Total ...	33,300

2. Ordered that a copy of these Proceedings, together with the estimates and plans for the works, be forwarded to the Government of India, with reference to Public Works Code, Volume II, Chapter V, paragraph 35, rule V (*b*), and, with a request, that sanction thereto may be communicated at an early date under "49. Capital Expenditure not charged to Revenue," Periyár Project, Open Capital Account.

[Here enter No. 899 I., dated 9th October 1897.]

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.

Endorsement—No. 899 I., dated 9th October 1897.

Forwarded.

(By order.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

Exd. W. D'Moss.

A

His Excellency the Governor.

"Estimate for excavation of the 6th distributary of the 12th Branch chl. of the Periyar Project"

PUBLIC WORKS DEPARTMENT,
IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 12 P

Print the reports and classified abstract of estimate

READ the following

Letter from the Supt. Engineer, Sixth Circle. (W.E. No 1051 - M.D. d/ 24.7.97).

No 184 I

Note by the Chief Engineer for Irrig.

The accompanying estimates, amounting to Rs 27,400, for excavating the 6th Distributary of the XII Branch Channel, Periyar Project, and its five subsidiary channels, are ~~herewith submitted~~ approved & recommended for sanction.

Issue

W.H.

28.9.97

2. The distributary and its subsidiary channels, 6-A, 6B, 6-C, 6-D and 6-E are 3 m. 4410 ft., 2 m. 4940 ft., 1 m. 720 ft., 2 m. 672 ft., 4,260 ft. and 3,800 ft. respectively in length, and will irrigate 4750 acres of land, 1000 acres of which will be under the distributary itself. The distributary and the channels 6-A, 6-C and 6-D will be maintained by Government.

3. The

3. The work is classed as "remunerative" and the probable date of its completion is 31 March 1899. The expected return per annum is estimated by the Superintending Engineer at Rupees 23,750.

[initials] 14/8/97.

W.H.

D. Agenture Acct

No 898/29.10.97

No 1843

Order thereon.

The estimates, amounting to Rupees * 33,300, for excavating the 6th Distributary of the XII Branch Channel, Periyar Project, and its five subsidiary channels, are approved.

	Rs
* Works.	27,400.
Establishment.	5,883.
Tools & plant.	17.
Total	33,300.

2. Ordered that a copy of these Proceedings, together with the estimates and plans for the works, be forwarded to the Government of India, with reference to P.W. Code Vol II, Chap V, para 35 rule V (b), and with a request that sanction thereto may be communicated at

at an early date, under "49. Capital Expenditure not charged to Revenue", Perujar Project, Open Capital Account.

A.S.H.
26.9.97

F.E.J.
8/10/97

To
The Chief Engr. for Irrigⁿ.
" Supg. Engr., Sixth Circle.
" Examiner, P.W. Accts.

No 899 I 29 W 9 97

Endorsement.

Forwarded.

W.H.
16.8.97

14/8/97

Describe in 111 rules including 23 ucan
2/11/97

Despatche

Note that the estimate & plans have to be sent back to Madras.
8/10/97

11/8/97

13/8/97

Public Works (1897) Department.

CURRENT No. 9857

Order

From The Chief Engineer for Irrigation

No. 184 I.

Dated 16-9-97

Received 6-10-97

Enclosures ~~64~~. 120 (~~33~~ 34 folios)

Spare copies

SUBJECT.

XII Branch Channel Periyar Project - Estimates amounting to Rs 27,400 for excavating the Distributary of the - and its five subsidiary channels - Note approving and recommending for sanctioning the -

BACK PAPERS.

No.	Date.

FURTHER PAPERS.

No.	Date.

OFFICE OF THE SUPERINTENDING ENGINEER,

6TH CIRCLE,

No. 1051 M.D.

Trichinopoly, 24th July 1897.

D/28th.

From

Lt Col. O. V. Boddy R.E.

~~The~~ Sperintending Engineer,

6th Circle.

1P

To

The Chief Engineer,

for Irrigation

SIR,

64 ENCLOSURES. *

* Sent Separately by packet post.

(1) VI Main Distributary of XII Branch channel. Este. Rs 11,800

(2) VI. A. Distributary channel Estimate Rs 7,300

(3) VI. B. — do — do — Estimate Rupees. 910.

(4) VI. C. — do — do — Estimate Rupees 4,480.

(5) VI. D & E. — do — do — Estimate Rs ~~2920~~ 2910

I have the honor to forward for your approval and sanction the marginally noted estimates for excavating the 6th Distributary of the 12th Branch channel with subsidiary offtakes 6 A, 6 B, 6 C, 6 D & 6 E. The total irrigation under these channels is 4,750 acres of which 100 acres are under the 6th Distributary itself, 1050 under 6 A, 300 under 6 B, 1500 under 6 C, 600 under 6 D and 300 under 6 E and the estimated cost in all amounts to Rs 27,400.

2. Provision is made in all the estimates for the necessary masonry works

200—20-4-96

and the usual tabular statement in which the mileage of masonry works and hydraulic details are given also accompanies each estimate.

3. The estimate may be classed as remunerative and the probable date of completion of the work is April 1899.

It is not possible at present to state the return that may be expected from the proposed outlay. Roughly allowing an average return of Rs 5 per acre, i.e., Rs 8 for new and Rs 2 for old irrigation, and taking these descriptions of lands to be about equally divided, the return per annum will be Rs 23750, but how much of this return is due to the proposed expenditure and how much to the Head Works - Main Canal &ca, it is not possible to say.

I have the honor to be
Sir,
Your most obedt. Servant.

[signature] Lt Col. R.E.
Supg Engineer, [illegible] Circle

Enclosures

Enclosures: 64

2

6. Main Distributary.

1. General abstract Estimate with report &ca. Complete.
1. Sketch map of Survey.
2. Sheets of Level Sections
8. Masonry Plans
8. Masonry Estimates
1. Book of Earthwork Estimate.
1. Classified abstract Estimate

22

6th A. Distributary

1. General abstract Estimate with Report &ca complete.
1. Sheet of Level sections
9. Masonry Plans
9. Masonry Estimates

20.

6th B. Distributary

1. Estimate &ca Complete.
1. Sheet of Level Section
1. Plan of Head Sluice.

3.

6th C. Distributary

1. General abstract Estimate with report &ca Complete.
1. Sheet of Level Sections
6. Masonry Plans
6. Masonry Estimates

6th D & E. Distributaries

1. Estimate with report &ca Complete.
2. Sheets of Level Sections
2. Masonry Plans.

5.

P. W. D. 6th CIRCLE.

FROM

THE SUPERINTENDING ENGINEER,

6TH CIRCLE.

CHIEF ENGINEER
FOR IRRIGATION.
29 JUL. 1897
No. 90 M D

TO

THE CHIEF ENGINEER,

NO.

Dated. }
Received. } 189 .

Enclosure.

I.W.S.I
985/97

P. W.

~~Political~~ (1897) Department.

CURRENT No. 90. M.D.

From The S.E. VI.

Order

No. 1051. M.D.

Dated 22 - 7 - 97

Received 29 - 7 - 97

Registered

Enclosures 64.

Spare copies

SUBJECT

Sixth distributary of the XII. Branch channel - Periyar Project ——

Forward for sanction certain estimates for excavating the

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 38 E dt 5-6-97

34 P

Report to accompany Estimate for Subdistributaries VI A. & VI B. of 6" Distributary of XII Branch Chl. Periar Project.

Amount of Este. Rs. ~~7950~~ 8210
of which VI. A — ~~7040~~ 7300
VI. B. — 910

Distributary 6 A. takes off at 1 mile 2020 feet of 6" Distributary and 6 B. at 0 mile 2500 feet of 6 A.

The latter is a small channel irrigating 300 acres and will not be maintained.

The former will irrigate in all 1050 acres and supply two maintained tanks Kalman kommoj and Perungarai Endal, the surplus from which will also help to feed Siruman kommoyi.

The high cost per acre is due to the heavy fall and the narrow strip of land served.

The cost cannot be reduced except by increasing the bed fall

Enclosures for
VI A. 1 - 10 Estes.*
* 1. Gl. abstract.
Tabular Statement
Calculation note
Land Statement
2. Hd Sluice
3. 3 ft fall & bridge
4. [illegible] bridge
5. Type of 6' falls
6. do - 4½ - do
7. - do - 3' - do -
8. culvert to [illegible] tank
9. Masonry sluice
10. Type 6" R.S.
10 Este
10 tracings
20

VI B. 1 Este*
1. Gl. abstract
Land Statement
Detail Meast. & Data
abstract - do -
Calculation Sheet.
2 tracings
3

Total 23

2 tracings sent separately.

bed fall which is 1 in 1000 and the Soil will not it is thought permit of this.

The work will be carried out in accordance to the Standard Specification current in the Department.

Earth and Gravel.

CHIEF ENGINEER
FOR IRRIGATION.
29 JUL 1897

L W H Smyth
Executive Engineer
5-6-97 Special Periyar Works

P.W.S. 42
9857/97

No. 39 Eng. d/ 5-6-97. U8P

Report to accompany Estimate for Excavating distributary Channel VI. C, from the right flank of Kotta-gudi tank.

Amount of Este Rs-4480.

This Subdistributary takes off from the right flank of Kottagudi tank and irrigates 1500 acres including the ayacuts of several tanks (vide margin) some of which also get an uncertain supply from the Upper river Upper (a small stream)

The work will be carried out in accordance with the Standard Specification current in the department.

Tank	village
1 Kalani Kuttai	1 Arasappanpatti
2 Melani Kulam	2 Nalukulam
3 Keelani - do -	3 - do -
4 Panangadi	4 Panangadi

Enclo. 7 Este
7 Tracings of plans
14.

J. W. Smyth
Executive Engineer
Special Periar works

5-6-97

CHIEF ENGINEER
FOR IRRIGATION.
29 JUL. 1937
No. 9020 / 6

P.W.2-82 / 4857/27

No. 402 of 5-6-97 558P

Report to accompany Estimate for excavating distributaries VI. D & E. from the left flank of Appochi Tank

Amount of Estᵉ Rs — ~~2920~~ 2910

These channels takes off from the left flank of Appochi Tank which will be connected with Kottagudi Tank by a cut through a small ridge.

The sill levels of this Sluice and that of the Head Sluice of VI C Distributary will be one & the same -

VI. E. is a small Contour channel irrigating 300 acres and will not be maintained

VI. D. will irrigate 600 acres and be maintained, but all the tanks under it will be abandoned as their supply sources are extremely poor all upland drainage being collected in larger tanks above, and the local drainage will be caught in Panangadi Tank

The work will be carried out

Checked 8/3/98

Enclo:
1 Estᵉ ×
4 tracings
5

× 1 Tabular Statement
1 Land Statement.
2 Calculation Sheets
1 detail measᵗ 6" P S
1 abstract - do -
1 detail H D Sluice
1 abstract do -
1 General abstract

in accordance with the Specification and the best practice of the department.

5-6-97

F W Smyth
Executive Engineer
Special Periyar Works

...GATI...
29 JUL 1897
No.

90 tud
C2

P.W.D. 106
985/97

No. 37E. dated 5th June 1897 6 8 R

Report to accompany Estimate for Excavating the 6th Distributary of the XII Branch channel, Periar Project.

Amount of Estimate Rs - 11800

This Distributary with its five branches starts from the 4th mile of the 12th Branch Channel and runs South crossing the Melur Madura and Melur Tirupuvanam road and ends above Kottagudi Periar Tank.

It is designed to irrigate in all 4750 acres of which 1000 acres is direct and the balance through minor Distributaries.

At 1 mile 2020 feet a branch VI. A. takes off of which VI. B. is a Sub Distributary.

The other distributaries ~~(written on by mistake)~~ C. D. E. take off from the right flank of Kottagudi Tank and left flank of Appochi Tank, the two tanks being joined by a cut through

Enclo: 10 Ests.
11 tracings
21.

1 - Gl. abstract; tabular state; land statement.
Gl. statement to accompany distributary;
2. Calculation sheets note,
3. Head Sluice Est & abst,
4. - drop 1. Est & abs
5. - drop 2, 3, 4 - do -
6. - drop 5 - do -
7. - Bridge Madura Melur road - do -
8. - do; Melur Alagar-coil road. - do -
9. - Melur Thiruppuvanam road Bridge - Est & abs
10. - 1 Est & abs - 6" P.S
1 do - 9" -
1 - do - 12" -

11 tracings sent separately.

through the dividing ridge.
The only tank to be maintained supplied direct is Kottagudi Tank.

A rather heavy fall is allowed in this Channel from 2 miles 1440 to the end, but the soil is very hard and will, it is thought, stand especially as the Channel is in cutting through-out.

The works will be carried out in accordance with the Specification and best practice of the department.

F W Smyth
Executive Engineer
Special Periar Works.

5th ~~May~~ June 1897.

Chief Engineer for Irrigation. 29 JUL. 1897 No.

P.W.2 985 of 97

ESTIMATE FORM—ABSTRACT—CLASSIFIED.

Sub-head.	Names of Works.	Amount of Estimate for individual Work.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each main head.	REMARKS.
1	2	3	4	5	6	7
	Capital Expenditure not charged to Revenue.					8
	49, Irrigation.					
	Periyar Project.					
	Open Capital Account.					
	3 Distributaries					
	XII Branch Channel					
	Excavating 6th Distributary channels & Constructing masonry works					
	Remunerative Work.					
	6th Main Distributary					
2 - Land	Compensation for Land	532				
	Total Rs		532			
3 - Works	1 - Head Sluice	510				
	1 - Bridge at 1/70	600				
	1 - Do at 1/1570	720				
	1 - Drop No 1 at 1/1820	660				
	3 - do 2-3-4 at 1/2320 1/4320 & 1/4820 Rs 600 each	1800				
	1 - Bridge at 2/1440	620				
	1 - Drop No 5 at 3/60	240				
	17 - 6 inches Pipe Sluices Rs - 50 - each	850				
	1. 9 inches Pipe Sluices	75				
	1. 12 inches Pipe Sluices	80				
			6155			
4 - Earthwork	Cutting distributary	5067				
			5067			
5 Miscellaneous	Demarcation Stones	46				
			46			
	Total for 6th Main distributary			11800		
	6th A. Distributary					
2 - Land	Compensation for Land	489				
			489			
	Carried over -		489	11800		

STATION

Dated 188 .

Executive Engineer.

P. W. D. Madras.
Form No. [illegible] 77 [illegible]

REFERENCE TO MADRAS P. W. D. CODE.

CHAPTER VII—PARAS 968 & 968 A.

ESTIMATE FORM—ABSTRACT CLASSIFIED.

IRRIGATION.

_______________CIRCLE.

DIVISION—

DISTRICT—

To accompany the Detailed Estimate No.

of 188 -8 . for *

* Here enter the Name and Description of work in full.

P.W. 27
985/87

(2)

9

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Work.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each main head.	Remarks.
1	2	3	4	5	6	7
	Brought forward		489	11800		
3 - Works	1 - Head Sluice	200				
	1 - Culvert for Nanpudiki Tank	200				
	1 - Bridge at 0/240 ft	580				
	5 - 6 feet drops Rs 400 each	2000				
	1 - 3 feet drop	210				
	2 - 4 1/2 feet falls - Rs 320 each	640				
	1 - 3 feet fall with bridge	400				
	1 - Masonry Sluice for tank	100				
	10 - 6 inches Pipe sluice Rs 30 each	300				
			4630			
4 - Earth work	Cutting distributary	2145				
			2145			
5 - Miscellaneous	Demarcation Stones	36				
			36			
	Total for 6th A - distributary			7300		
	6th B. Distributary					
2. Lands	Compensation for land	134	134			
3. Works	Head Sluice	100	100			
4 - Earth work	Cutting distributary	668	668			
5 - Miscellaneous	Demarcation Stones	8	8			
	Total for 6th B distributary			910		
	6th C. Distributary					
2 - Lands	Compensation for land	409				
			409			
3 - Works	1 - Head Sluice	740				
	Carried over	740	409	20010		

Station

Dated 188 }

Executive Engineer.

P. W. D. Madras.
Form No. M. 7[illegible]g.

REFERENCE TO MADRAS P. W. D. CODE.

CHAPTER VII—PARAS 968 & 968 A.

ESTIMATE FORM—ABSTRACT CLASSIFIED.

IRRIGATION.

———— CIRCLE.

DIVISION—

DISTRICT—

To accompany the Detailed Estimate No.

of 188 -8 . for *

* Here enter the Name and Description of work in full.

P.W.S.8 / 4857(9)

(3)

10

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Work.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each main head.	Remarks.
1	2	3	4	5	6	7
	Brought forward	740	409	20010		
	1- 8 feet drop at %2500	480				
	2- 3 feet drops Rs-210 each	420				
	2- Masonry Sluices Rs-100 each	200				
	4 - 9 inches pipe sluices Rs-55- each	220				
	2. 6 inches pipe sluices Rs. 30 each	60				
			2120			
4- Earth work	Cutting distributary	1925				
			1925			
5- Miscellaneous	Demarcation Stones	26				
			26			
	Total for 6th C. distributary			4480		
	6th D- Distributary					
2- Lands	Compensation for land	136				
			136			
3- Works	1- Masonry tail drop	50				
	7- 6" inches Pipe Sluices Rs 30 each	210				
			260			
4- Earth work	Cutting distributary	1024				
			1024			
5- Miscellaneous	Demarcation Stones	11				
			11			
	Total for 6" D. distributary			1431		
	6th E. distributary					
2- Lands	Compensation for land	120				
			120			
	Carried over		120	25921		

Station
Dated 188

Executive Engineer.

P. W. D. Madras.
Form No. M. [illegible].

REFERENCE TO MADRAS P. W. D. CODE.

CHAPTER VII—PARAS 968 & 968 A.

ESTIMATE FORM—ABSTRACT CLASSIFIED.

IRRIGATION.

______________ CIRCLE.

DIVISION—

DISTRICT—

To accompany the Detailed Estimate No.

of 188 -8 . for *

* Here enter the Name and Description of work in full.

ESTIMATE FORM—Abstract—Classified.

Sub-head.	Names of Works.	Amount of Estimate for individual Work.	Total of Sub-heads.	Total for each Canal or Distributary.	Total of each main head.	Remarks.
1	2	3	4	5	6	7
	Brought forward		120	25921		Sanctioned in G.O. No. 1141 I of 22-12-97 & registered as No. 142 I of 1897-98
3 - works	Masonry Head Sluice S. & E.	630				
			630			
4 - earth works	Cutting distributary	520				
	Connect Kottagudi & Appachi Tanks	200				
			720			
5 - Miscellaneous	Demarkation Stones	9				
			9			
	Total for 6th - E - distributary			1479		
	~~Grand~~ Total ~~Rupees~~ I - Works				27400	
	II - Establishment				5883	
	III - Tools & plant				17	
	Total Estimate				33300	

J. T. Hodley Lt Col R. E.
Supg Engineer 6th Circle
24 - 7 - 97

Checked ... 9/8/97

Station
Dated 188 .

Executive Engineer.

P. W. D. Madras
Form No. M. [illegible]g.

Reference to Madras P. W. D. Code,

Chapter VII—Paras 968 & 968 A.

ESTIMATE FORM—Abstract Classified

CHIEF ENGINEER
FOR IRRIGATION.
29 JUL. 1897
No. 90 Irr
35

IRRIGATION.

Sixth Circle.

Division— Madura

District— Madura

To accompany the Detailed Estimate No.

of 188 -8 , for * No. 6 ~~Distributary~~ and its branches with masonry works in XII Branch channel Periyar Project.

* Here enter the Name and Description of work in full.

PW 210
985 of 97

Enclo No. ~~22 A~~ S. E. 6th No. 1061 Irr / 24-7-97